



CREST

Comprehensive Refrigeration Energy Savings and Training

Implementation Plan – Public Presentation

PRESENTED BY **Tim Burrows**



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About Cascade

Providing comprehensive energy management for:



Industrial



Agricultural



Water & Wastewater



Commercial



240
Employees



30+
Years Experience



7,000+
Sites



Agenda

1. Program Overview
2. Budget and Savings
3. Program Design
4. Innovation
5. Incentive Structure
6. Deemed Measures
7. Eligibility
8. KPIs

Program Overview

Program Summary



The Comprehensive Refrigeration Energy Savings and Training (CREST) program is a versatile, Resource Acquisition program developed to provide no-cost benefits to Southern California Edison (SCE) Commercial customers with energy-intensive refrigeration, process cooling, and HVAC systems.

CREST will work with SCE customers to identify and advance energy efficiency projects. Customers will receive **training, coaching, technical support, and generous incentives.**

The Program will also promote and support change-outs to low Global Warming Potential (GWP) refrigerants, and electrification projects.

Program Details

Program ID: SCEXXX

Contract Term: 2025 - 2030

Program Name: Comprehensive Refrigeration Energy Savings and Training (CREST)

Type of Program: Third Party

Market Sectors: Commercial

Program Type: Resource Acquisition

Intervention Strategies: Incentive, Financing, Audit Technical Assistance



Budget & Savings

Program Budget

Costs	2025	2026	2027	2028	2029	2030	Total
Administration	\$30,000	\$27,734	\$67,897	\$104,414	\$108,493	\$53,843	\$392,381
Marketing/Outreach	\$15,000	\$13,867	\$33,949	\$52,207	\$54,246	\$26,922	\$196,190
Incentive/Rebate	\$0	\$101,965	\$530,515	\$762,015	\$851,078	\$341,653	\$2,587,225
Direct Implementation	\$255,000	\$235,736	\$577,125	\$887,518	\$922,189	\$457,667	\$3,335,235
Total	\$300,000	\$379,301	\$1,209,486	\$1,806,154	\$1,936,006	\$880,084	\$6,511,030

Program Goals

	2025	2026	2027	2028	2029	2030	Total
Gross Demand Reduction (kW)	-	159	265	265	265	-	954
Net Demand Reduction (kW)	-	150	240	240	240	-	870
Gross Energy Savings (kWh)	-	1,225,875	1,929,330	1,929,330	1,929,330	-	7,013,865
Net Energy Savings (kWh)	-	1,120,721	1,744,165	1,744,165	1,744,165	-	6,353,216

TSB Goals

Total System Benefit (TSB)	2025: \$0 2026: \$675,628 2027: \$1,948,984 2028: \$2,215,028 2029: \$2,375,873 2030: \$0 Total TSB: \$7,215,513
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Program Design

This program is designed to overcome specific barriers to the uptake of energy efficiency and decarbonization for Commercial customers.



Lack of Onsite Refrigeration
Energy Efficiency Knowledge



Skeptical about Implementer
Industry and Technical
Knowledge



Need for Many Capital Upgrades



Limited Time, Many Priorities,
Not Knowing Where to Start

Innovation

Customers will receive:

- New user and advanced training
- Assistance integrating software with internal customer processes
- Ongoing technical support
- Self-serve, Online Video Modules



NMEC Projects

CREST offers incentives for site-level normalized metered energy consumption (NMEC) to facilitate savings claims. Savings will be captured from a variety of behavioral, retro-commissioning and operational (BRO) and capital measures through site-level NMEC.

CREST Incentives	Incentive Levels
NMEC BRO (Behavioral, Retro-commissioning, Operations)	\$0.06 / kWh
NMEC Capital/Electricity	Up to \$0.30 / kWh
NMEC Capital/Gas	Up to \$1.50 / therm
Custom Capital (outside of NMEC)	Up to \$0.28 / kWh
Electrification (custom)	Up to \$10 / therm
Deemed	Refer subsequent tables
High GWP Refrigerant Swap-out	\$225 / pound

Deemed Projects

CREST offers the following deemed measures:

Customers will be able to access zero percent financing to address cashflow issues for Custom, Deemed, and NMEC projects via On-Bill Finance (OBF); limitations apply with respect to the project's simple payback period and maximum available debt facility.

- Floating Head Pressure Controls
- Floating Suction Controls
- Heat Pump Water Heater - Gas to Electric
- Bare Suction Line Insulation
- Efficient Adiabatic Condenser
- Compressor Retrofit, Multiplex
- Heat Pump Water Heater, Commercial
- Heat Pump Water Heater, Commercial, Fuel Substitution

Deemed Rebate Offer

#	Short Description	Incentive <i>(Not to Exceed)</i>
1	Floating Head Pressure Controls	\$200 per Cap-Tons
2	Floating Suction Controls	\$50 per Cap-Tons
3	Large Heat Pump Water Heater - Gas to Electric	\$200 per CapOut-kbtuh
4	Bare Suction Line Insulation	\$10.00 per Len-ft
5	Efficient Adiabatic Condenser	\$17.50 per Cap-Tons
6	Compressor Retrofit, Multiplex	\$200 per Cap-Tons
7	Heat Pump Water Heater, Commercial	\$900 each
8	Heat Pump Water Heater, Commercial, Fuel Substitution	\$15,000 each

Eligibility



Customers allocated the following NAICS codes are eligible to participate in CREST:

- 493120: Refrigerated Warehousing and Storage
- 424xxx: Merchant Wholesalers, Nondurable Goods
- 541700: Scientific Research and Development
- 541380: Testing Laboratories and Services
- 518210: Computing Infrastructure Providers, Data Processing, Web Hosting, and Related Services
- 445110: Supermarkets and Other Grocery
- 452311: Warehouse Clubs and Supermarkets

Timing of Payments

The Program will pay customers performance-based incentives in three installments:

- 1) an initial fixed-fee milestone incentive following the tune-up,
- 2) a performance incentive for estimated savings following project completion, and
- 3) a final performance incentive for verified savings following FSR approval.

This incentive structure is designed to motivate customers to start the Program, complete projects, and maintain their energy savings.



Key Performance Indicators

Program success will be evaluated using the following key performance indicators:

KPI	KPI PURPOSE
Project Pipeline Target (TSB)	Track progress towards achieving overall program TSB goals
Total System Benefit (TSB in Dollars)	Track progress towards achieving overall program savings goals
Schedule Adherence	Track progress towards achieving overall program savings goals
Cost Management	Track progress towards achieving overall program savings goals
Customer Satisfaction	Reflects ability to deliver the Program at a high level of customer satisfaction
Safety Ratings	Validate adherence to maintaining a culture of workplace safety
Disadvantaged Communities	Tracking the participation rate in DACs
Sustainability Ratings	Demonstrates Cascade's commitment to sustainability

Questions

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